

REMARKS

The Examiner's Non-Final Office Action of July 31, 2002, has been reviewed and applicant offers the following amendments to the claims as set forth below. In accordance with the Examiner's recommendations, Claims 1 through 5 have been appropriately amended to incorporate those changes.

Applicant respectfully submits that the incorporated amendments to Claims 1 through 5 fully respond to each of the Examiner's points of rejection, and place Claims 1 through 5 in condition for allowance. Applicant therefore requests that the Examiner withdraw her rejections and objections and pass the application forward to issue.

Re: Rejection under 35 U.S.C. 103(a):

The Examiner has rejected claims 1 through 3 as unpatentable over Karmel (6,353,743 in view of Lobb et al (5,810,680)). Applicant directs the Examiner's attention to the differences between the described patented prior art and the current application. Rather than to list the similarities, applicant directs the examiner's attention to the difference between the inventions. The current invention utilizes technology to enable the golfer or user to construct an accurate map of the area he or she wishes to map. The prior art allows a user to use a stylus to mark an existing map or to scribble on a screen face to construct a map, whereas the current invention allows the user to

employ high technology tracking, vis a vie, GPS mapping, to accurately construct a map of the area. While it is understood that the prior art allows a user to draw a map, by sketching the map manually on a screen, the current invention allows a user to walk out a desired aspect of the terrain, such as a sand bunker or a green, all the while sending his location and mapping his location by using satellite technology to construct such a map. The prior art allows a user to find his location using GPS. The current invention goes a large step forward, and enables a user to "walk and map" as he or she traverses a golf course. The technology allows for a highly accurate map to be constructed with little more than a user walking around the items to be mapped. It should be understood that the map so constructed would be held in the memory of the computer and be made readily available for consultation or amendment.

Based on the foregoing, the applicant requests that the Examiner withdraw her rejections and objections, and pass the application forward, to issue.

VERSION WITH MARKINGS TO SHOW CHANGES MADE

What is claimed as being new and desired to be protected by LETTERS PATENT of the United States is as follows:

1. (ONCE AMENDED) A golfing aide system for assisting golfers and improving their game comprising, in combination:

a global positioning system device [being capable to pinpoint the accurate] used to accurately locate positions of key landmarks on [the] a golf course for mapping of a landscape of a golf course, the global positioning system device [adapted] being able to transmit and receive information;

a cellular technology device providing standard and advanced mobile phone communication capabilities to golfers, the cellular technology device [adapted] being able to transmit and receive information;

a wireless modem being able to link the system to a phone line and provide for data communication, the wireless modem [adapted] being able to transmit and receive information;

a low power radio frequency transceiver allowing functional communication between golfers, the clubhouse and any other entity requiring this type of communication, the low power radio frequency transceiver [adapted] being able to transmit and receive information;

a cellular digital packet data technology device allowing for the fast and cost effective transmission of data as required

for [internet] intercomputer access, email and the like, the cellular digital packet data technology device [adapted] being able to transmit and receive information;

a handheld proprietary touch screen personal computer for a golfer [adapted] being able to transmit and receive information between the personal computer and the global positioning system device, the cellular technology device, the wireless modem, the low power radio frequency transceiver and the cellular digital packet data technology device;

an operating system to allow a golfer to interface with the computer; and

software to perform [the necessary operations based upon the input and output of the personal computer] a plurality of programed functions to enable the system to [work] input, provide and store information which would [and] assist the golfer [for] by providing a plurality of forms of information and functions including automated distance calculations, equipment indication, club selection, course management, scoring, statistics, cataloguing courses, mapping of a landscape of a golf course, and other functions in a synchronous and beneficial fashion for improved golfing performance, with the mapping function allowing a golfer to input data to construct a map of a course by input from the golfer's handheld computer.

2. (ONCE AMENDED) A golfing aide system for assisting golfers and improving their game comprising, in combination:

a plurality of electronic devices selected from [the] a class of electronic devices which include such devices as [including] a global positioning system device, cellular technology device, a wireless modem, a low power radio frequency transceiver, and cellular digital packet data technology device [adapted to] each being capable of transmitting and receiving [transmit and receive] information;

a handheld proprietary touch screen personal computer for a golfer [adapted] being programmed and able to transmit and receive information with any of a plurality of devices;

an operating system to allow a golfer to interface with the computer; and

software to perform [the necessary operations] programmed functions based upon the input and output of the personal computer to enable the system to [work] input, provide and store information which would [and] assist the golfer [for associated] by performing a plurality of functions such as automated distance calculations, equipment indication, club selection, course management, scoring, statistics, cataloguing courses, golf course mapping and other functions in a synchronous and beneficial fashion for improved golfing performance, with the mapping

function allowing a golfer to input data to thereby construct a map of a golf course.

3. (ONCE AMENDED) A method of assisting golfers and improving their game comprising, in combination, the steps of:

providing a global positioning system device being capable [to] of accurately locating [pinpoint the accurate] positions of key landmarks [on the] of a golf course, the global positioning system device adapted to transmit and receive information and to map a landscape of a golf course;

providing a cellular technology device providing standard and advanced mobile phone communication capabilities to golfers, the cellular technology device [adapted] being able to transmit and receive information;

providing a wireless modem being able to link the system to a phone line and provide for data communication, the wireless modem [adapted] being able to transmit and receive information;

providing a low power radio frequency transceiver allowing functional communication between golfers, the clubhouse and any other entity requiring this type of communication, the low power radio frequency transceiver [adapted] being able to transmit and receive information;

providing a cellular digital packet data technology device allowing for the fast and cost effective transmission of data as required for [internet] intercomputer access, email and the like,

the cellular digital packet data technology device [adapted]  
being able to transmit and receive information;

providing a handheld proprietary touch screen personal  
computer for a golfer;

transmitting and receiving information between the personal  
computer and the global positioning system device, the cellular  
technology device, the wireless modem, the low power radio  
frequency transceiver and the cellular digital packet data  
technology device;

providing an operating system to allow a golfer to interface  
with the computer; and

providing software to perform [the necessary] programmed  
operations based upon the input and output of the personal  
computer to enable the system to work and assist the golfer for  
automated distance calculations, equipment indication, club  
selection, course management, scoring, statistics, cataloguing  
courses, and other functions in a synchronous and beneficial  
fashion for improved golfing performance.

4. (ONCE AMENDED) A method of assisting golfers by mapping  
a landscape of a golf course comprising, in combination:

providing a system having a global positioning system, a  
personal computer, operating system and software;

activating the system to begin collecting latitude and longitude coordinates from a global positioning system at a rate of no less than one coordinate per second;

tracing [the] a perimeter of [the] a desired region such as a tee box, bunker, sand trap, green and fairway with the global positioning system collecting thereby collecting information regarding [all] any one of a plurality of locations which are [the points] associated with the outline of [that] a region which is desired to be mapped;

ending the data collection by [the] a manual disabling of the data collection;

importing a unique field into [the] an electronically traced region, the field being representative of the region being traced;

forming a graphic representation of [the] a newly traced region with [the] an appropriate field displayed in [the] an associated region with different representations for each associated region; and

collecting a response from a golfer as to whether there is there another region needed to be collected, if "Yes" return to activating step, if "No" end.

5. (ONCE AMENDED) A method of assisting golfers and improving their game } comprising, in combination, the steps of:



providing a global positioning system device [being] which  
is capable [to pinpoint the accurate] of accurately locating  
positions of [key] any one of a plurality of landmarks on [the] a  
golf course, the global positioning system device [adapted to  
transmit and receive] capable of electronically transmitting and  
receiving information [and] with the device also capable of  
constructing a [to] map of a landscape of a golf course;

providing a cellular technology device [providing standard  
and advanced] for providing mobile phone communication  
capabilities to golfers, the cellular technology device [adapted]  
being able to transmit and receive information;

providing a wireless modem being able to link [the] a  
communications system to a phone line and provide for data  
communication, the wireless modem [adapted] being able to  
transmit and receive information;

providing a low power radio frequency transceiver for  
allowing functional communication between golfers[, ] and the  
clubhouse and any other entity requiring [this type] a form of  
communication, the low power radio frequency transceiver  
[adapted] being able to transmit and receive information;

providing a cellular digital packet data technology device  
allowing for [the] fast and cost effective transmission of data  
as required for [internet] intercomputer access, email and the

like, the cellular digital packet data technology device  
[adapted] being able to transmit and receive information;

providing a handheld proprietary touch screen personal  
computer for a golfer;

transmitting and receiving information between the personal  
computer and [the] a global positioning system device, [the] a  
cellular technology device, [the] a wireless modem, [the] a low  
power radio frequency transceiver and [the] a cellular digital  
packet data technology device;

providing [a] an operating system to allow a golfer to  
interface with [the] a computer;

providing software to perform [the necessary] programmed  
operations based upon the input and output of [the] a personal  
computer to enable the system to work and assist the golfer [for]  
by providing automated distance calculations, equipment  
indication, club selection, course management, scoring,  
statistics, cataloguing courses, and other functions in a  
synchronous and beneficial fashion for improved golfing  
performance;

activating the system to begin collecting latitude and  
longitude coordinates from a global positioning system at a rate  
of no less than one coordinate per second;

tracing [the] a perimeter of [the] a desired region such as  
a tee box, bunker, sand trap, green and fairway with the global  
positioning system collecting all [the] points associated with

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the outline of that region to enable the computer to construct a map of the region;

ending the data collection by the manual disabling of the data collection;

importing a unique field into [the] an electronically traced region, the field being representative of the region being traced;

forming a graphic representation of [the] a newly traced region with [the] an appropriate field displayed in the associated region with different representation for each associated region; and

collecting a response from a golfer as to whether there is there another region needed to be collected, if "Yes" return to activating step, if "No" end.